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MANITOBA MIGRATION STATISTICS

1976 - 86

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EXECUTIVE SUMMARY

Migration is the most volatile component of population growth in Manitoba, and has had the greatest impact on the year-to-year change in the population of the province and its eight economic regions over the last 10 years.

This report presents information on net migration for the ten year period 1976-77 through 1985-86. The migration data were obtained from Statistics Canada and were derived from changes of address on personal income tax forms filed with Revenue Canada Taxation.

This report concentrates on levels of net migration to Manitoba and its eight economic regions by: (i) Type; (ii) Origin; and (iii) Age of Migrant.

Some of the highlights of this report are:

(1) Net International Migration has varied from a low of 1,393 in 1978-79 to a high of 4,900 in 1979-80, with the annual average being 3,093.

(2) Net Interprovincial Migration has varied from a low of -13,864 in 1979-80 to a high of 2,544 in 1982-83, with the annual average being -4,485.

(3) Net Intraprovincial Migration varied greatly with year and region. Cumulative Net Intraprovincial Migration for the 10 year period ranged from a low of -7,851 for the North region to a high of 4,945 for the Interlake region.

(4) Net Total Migration has varied from a low of -9,353 in 1978-79 to a high of 5,620 in 1982-83, with the annual average being -1,392.

(5) Net Total Migration fluctuated with year and age. Cumulative Net Total Migration by Age ranged from a low of -8,710 for those aged 25-44 to a high of 444 for those aged 65 and over.

(6) Net Total Migration also fluctuated by origin. Over the seven year period from 1979-80 through 1985-86 Cumulative Net Total Migration from other parts of Canada varied from a low of -13,438 from British Columbia to a high of 1,396 from Quebec.

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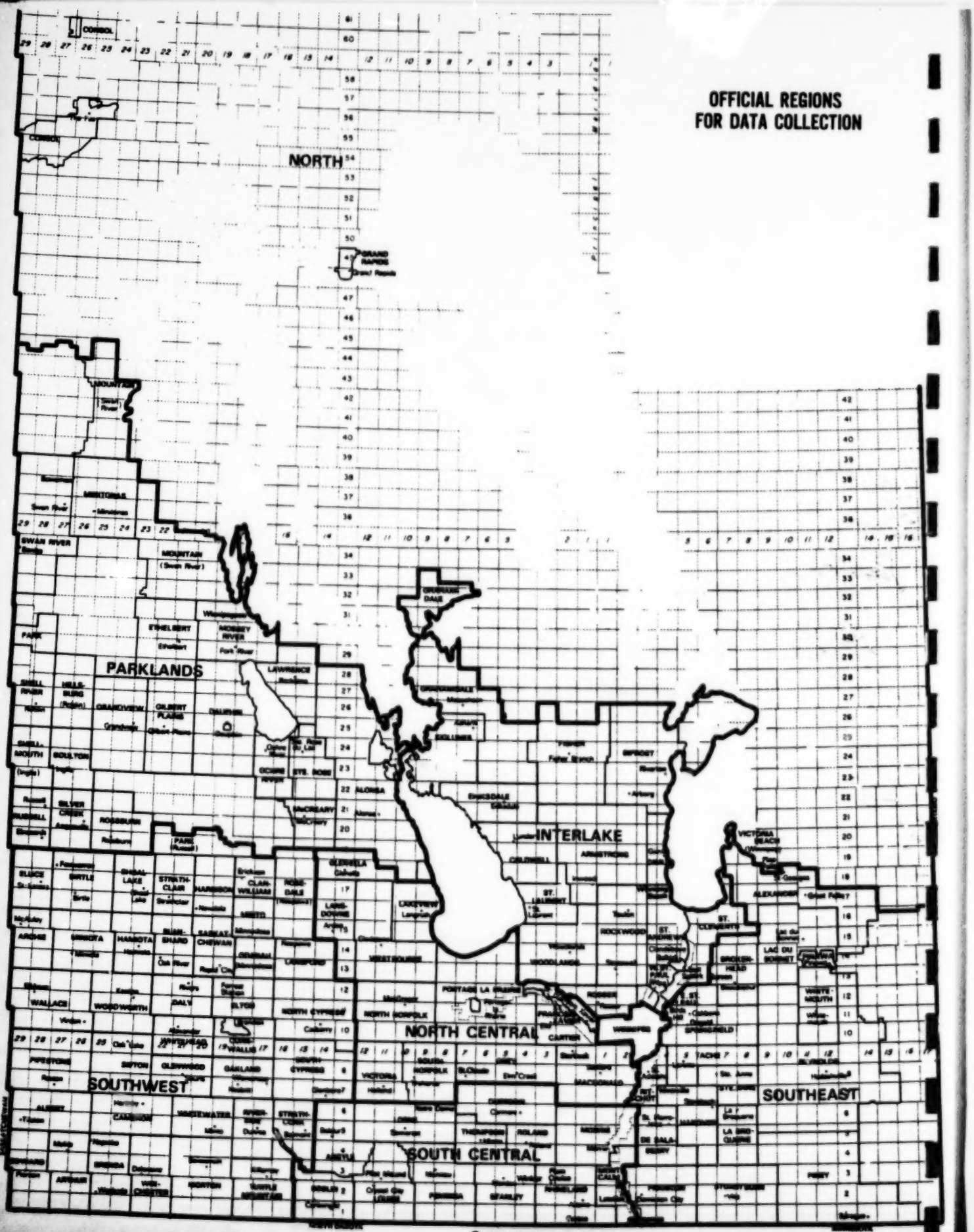

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INTRODUCTION

This report presents information on net migration to Manitoba by economic region for the period 1976-77 through 1985-86. This report presents the level of net migration for all regions, over the ten year period, on the basis of:

(1) Type (international, interprovincial, and intraprovincial)
(2) Age (0-17, 18-24, 25-44, 45-64, and 65+)
(3) Origin (Region, Province/Territory, and Foreign)

International migration is the movement of population between Manitoba and another country. Interprovincial migration is the movement between Manitoba and another province or territory in Canada while intraprovincial migration is the movement between regions within Manitoba.

The regions used in this report are the Official Regions for Data Collection (economic regions) which are aggregates of the 23 census divisions as follows:

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISIONS
Southeast	60	1, 2, 12
South Central	61	3, 4
Southwest	62	5, 6, 7, 15
North Central	63	8, 9, 10
Winnipeg	64	11
Interlake	65	13, 14, 18
Parklands	66	16, 17, 20
North	67	19, 21, 22, 23

The migration data were obtained from Statistics Canada and were derived from changes of address on individual income tax returns. The reference period used is a census year, which runs from June 1 - May 31. A description of the methodology used in preparing these migration estimates is presented in Appendix C.

To obtain additional migration information on a regional or census division basis, contact David Greenwood at 945-2989.

TABLE 1. ESTIMATED NET INTERNATIONAL MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	96	29	115	13	3134	31	24	94	3536
1977 - 1978	74	41	106	-5	2463	20	55	112	2866
1978 - 1979	71	41	18	64	1269	45	-28	-87	1393
1979 - 1980	171	195	251	78	4082	49	59	15	4900
1980 - 1981	244	169	228	36	3922	68	41	52	4760
1981 - 1982	218	75	190	37	2854	69	32	187	3662
1982 - 1983	165	97	168	69	2410	38	58	71	3076
1983 - 1984	115	67	18	19	1950	68	22	12	2271
1984 - 1985	96	119	90	40	1634	28	40	36	2083
1985 - 1986	46	134	-103	8	2210	37	21	31	2384

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 2. ESTIMATED NET INTERPROVINCIAL MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	4	6	112	-55	-1703	-118	-177	-1600	-3531
1977 - 1978	-114	-44	-348	-115	-2308	85	-103	-1727	-4674
1978 - 1979	-504	-83	-927	-230	-5451	-436	-348	-2767	-10746
1979 - 1980	-833	-186	-1564	-424	-8039	-550	-613	-1655	-13864
1980 - 1981	-510	-380	-1183	-422	-5353	-458	-449	-648	-9403
1981 - 1982	-93	-225	-563	-113	-774	-1	131	-987	-2625
1982 - 1983	235	112	646	157	1234	260	436	-536	2544
1983 - 1984	44	126	226	43	-285	129	74	-18	339
1984 - 1985	182	25	-64	-138	-468	7	12	-151	-595
1985 - 1986	115	31	-370	-47	-1248	144	-186	-736	-2297

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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MIGRATION BY TYPE

(1) International Migration

Net International Migration to Manitoba from 1976-77 through 1985-86 totalled 30,931 for an annual average of 3,093. This type of migration was at a low in 1978-79 with 1,393 and was at a high in 1979-80 with 4,900.

Over the ten year period all of Manitoba's regions experienced a net increase in population due to international migration. Winnipeg experienced more net international migration than any other region in each of the ten years, totalling 25,928 for an annual average of 2,593.

The Parklands and North Central regions experienced the lowest cumulative net international migration totalling 324 and 359 respectively for the 10 year period. A net loss due to international migration for a particular year and region occurred only 4 times over the ten year period. The highest loss was in 1985-86 when net international migration for the Southwest region was -103 while the smallest loss was -5 in 1977-78 for the North Central region.

(2) Interprovincial Migration

Net Interprovincial Migration to Manitoba from 1976-77 through 1985-86 totalled -44,852 for an annual average of -4,485. This type of migration was at a low in 1979-80 with -13,864. Manitoba experienced a net increase in population due to interprovincial migration in both 1982-83 with 2,544 and in 1983-84 with 339.

All of Manitoba's regions experienced a cumulative net decrease in population due to interprovincial migration, but only the North region recorded a net loss in each of the ten years.

Cumulative net interprovincial migration for the 10 year reference period ranged from a high of -618 for the South Central region to a low of -24,395 for Winnipeg.

Winnipeg consistently recorded the lowest levels of interprovincial migration except in 1981-82 when Winnipeg at -774 was outdistanced by the North region at -987, and in 1982-83 when Winnipeg at 1,234 experienced the highest level of net interprovincial migration for any of Manitoba's regions over the ten year period.

TABLE 3. ESTIMATED NET INTRAPROVINCIAL MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	1496	53	427	222	-2427	1043	-132	-682	0
1977 - 1978	905	42	143	160	-1445	1025	199	-1029	0
1978 - 1979	1124	-80	513	167	-1171	686	111	-1350	0
1979 - 1980	76	-63	-207	-380	1741	-83	-75	-1009	0
1980 - 1981	-371	-429	-132	-19	1749	-152	-240	-406	0
1981 - 1982	-109	-41	-194	-242	1310	451	82	-1257	0
1982 - 1983	112	-211	299	-80	93	392	125	-730	0
1983 - 1984	375	-357	-293	-100	183	609	164	-581	0
1984 - 1985	244	-160	-119	59	405	426	-95	-760	0
1985 - 1986	496	-318	-52	-348	272	548	-551	-47	0

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 4. ESTIMATED NET TOTAL MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	1596	88	654	180	-996	956	-285	-2188	5
1977 - 1978	865	39	-99	40	-1290	1130	151	-2644	-1808
1978 - 1979	691	-122	-396	1	-5353	295	-265	-4204	-9353
1979 - 1980	-586	-54	-1520	-726	-2216	-584	-629	-2649	-8964
1980 - 1981	-637	-640	-1087	-405	318	-542	-648	-1002	-4643
1981 - 1982	16	-191	-567	-318	3390	519	245	-2057	1037
1982 - 1983	512	-2	1113	146	3737	690	619	-1195	5620
1983 - 1984	534	-164	-49	-38	1848	806	260	-587	2610
1984 - 1985	522	-16	-93	-39	1571	461	-43	-875	1488
1985 - 1986	657	-153	-525	-387	1234	729	-716	-752	87

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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(3) Intraprovincial Migration

The one constant in intraprovincial migration patterns for Manitoba was that the North region recorded a net loss in each of the ten years from 1976-77 through 1985-86. Cumulative Net Intraprovincial Migration ranged from a low of -7,851 for the North region to highs of 4,348 and 4,945 for the Southeast and Interlake regions respectively, each of which experienced a net loss in only two of the ten years.

Winnipeg and the Southwest also had positive cumulative net intraprovincial migration totals with 710 and 385 respectively. Negative cumulative net migration totals have been estimated for the South Central (-1564), North Central (-561) and Parklands (-412) regions.

Winnipeg experienced the greatest fluctuation in intraprovincial migration, recording both the highest and lowest levels for a single region in a year, those being 1,749 in 1980-81 and -2,427 in 1976-77.

The South Central region had the least year-to-year fluctation in net intra- provincial migration but still varied from 53 in 1976-77 and 42 in 1977-78 to -429 in 1980-81 and -357 in 1983-84.

(4) Total Migration

Net Total Migration for Manitoba varied greatly during the 10 year reference period, from a low of -9,353 in 1978-79 to a high of 5,620 in 1982-83. The net total migration was positive for 6 of the 10 years and negative for the other 4 years. However, 2 of the positive years had values of only +5 (in 1976-77) and +87 (in 1985-86).

Only 3 regions gained population through migration for the reference period. These regions and their cumulative net gains were Interlake (4,460), Southeast (4,170) and Winnipeg (2,243).

The cumulative net total migration values for the other regions ranged from -1,215 for South Central and -1,311 for Parklands down to -18,153 for the North.

MIGRATION BY AGE

Migration patterns for the five age groups tended to parallel each other quite closely from year-to-year. This was less true for the 65 and over age group than for the other age groups.

As shown in Table 5, cumulative Net Total Migration by age ranged from a low of -8,710 for the 25-44 age group to a high of 444 for the 65 and over age group, which was the only group to increase their numbers through migration over the ten year period.

Migration patterns of the 65 and over age group varied the least from year-to-year with a low of -136 in 1979-80 to a high of 274 in 1981-82.

Conversely, migration patterns of the 25-44 age group varied the most from year-to-year with a low of -4,471 in 1979-80, the lowest net migration for any age group in any year, to a high of 1,730 in 1982-83.

The highest net migration for any age group in any year was 1,732 for the 18-24 age group in 1982-83 closely followed by the 25-44 age group in the same year with net migration of 1,730.

Looking at regional differences in migration by age group (as presented in Appendix A), the following trends become apparent. Families, which typically include the 0-17 age group and those aged 25-44 or 45-64 tended to migrate to the Interlake and Southeast regions of the province. Whereas seniors aged 65 and over, and young adults aged 18-24 tended to migrate to Winnipeg. Both of these trends are likely highly influenced by intraprovincial migration.

TABLE 5. ESTIMATED NET TOTAL MIGRATION FOR MANITOBA BY AGE GROUP AND YEAR

CENSUS YEAR	0 - 17	18 - 24	25 - 44	45 - 64	65 +	TOTAL
1976 - 1977	42	-98	220	-202	43	5
1977 - 1978	-637	-127	-785	-188	-71	-1808
1978 - 1979	-2757	-2150	-3707	-659	-80	-9353
1979 - 1980	-2131	-1689	-4471	-537	-136	-8964
1980 - 1981	-989	-1149	-2582	-70	147	-4643
1981 - 1982	390	56	31	286	274	1037
1982 - 1983	1410	1732	1730	497	251	5620
1983 - 1984	737	942	653	222	56	2610
1984 - 1985	291	611	530	19	37	1488
1985 - 1986	-96	587	-329	2	-77	87

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 6. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1979 - 1980 TO 1985 - 1986

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	11	1	107	-22	257	15	3	353	725
P. E. I.	-20	5	28	14	12	-4	5	2	42
NOVA SCOTIA	-19	-10	35	-53	240	-29	20	2	186
NEW BRUNSWICK	24	1	106	22	365	37	-16	-84	455
QUEBEC	-17	33	164	108	1065	32	6	5	1396
ONTARIO	191	356	69	-228	-1089	-25	64	-625	-1287
MANITOBA	823	-1579	-698	-1110	5753	2191	-590	-4790	0
SASKATCHEWAN	-16	-186	-876	-7	306	14	-223	-1098	-2086
ALBERTA	-583	-470	-1551	-604	-6535	-188	-267	-1759	-11957
BRITISH COLUMBIA	-417	-224	-910	-194	-9759	-337	-211	-1386	-13438
YUKON	-6	-6	1	23	67	-12	23	-48	42
N. W. T.	-8	3	-45	-3	138	28	1	-93	21
OTHER	1055	856	842	287	19062	357	273	404	23136
TOTAL	1018	-1220	-2728	-1767	9882	2079	-912	-9117	-2765

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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MIGRATION BY ORIGIN

As shown in Table 6, for the seven year period from 1979-80 through 1985-86, Net Total Migration to Manitoba from other parts of Canada totalled -25,901. Manitoba experienced a cumulative net gain in population from Canada's two territories and the five provinces east of Ontario, but a cumulative net loss to Ontario and the three provinces west of Manitoba.

Cumulative net migration by origin hit a low of -13,438 from British Columbia and a high of 1,396 from Quebec over the seven year period. Examining yearly trends, Manitoba experienced both net gains and net losses in population with every region of Canada at one time or another, with only one exception. That being, Manitoba experienced a net gain in population due to migration from New Brunswick every year, totalling 455 for the 7 year period.

Detailed net migration tables by economic region, origin and year are shown in Appendix B.

The lowest and highest levels of net migration to Manitoba for any year and origin were -7,350 in 1979-80 and 1,565 in 1982-83 respectively, both from Alberta.

The next highest net migration gains for any year and origin were 1,303 in 1983-84 and 1,101 in 1984-85. Alberta was also the origin of these net gains.

The next highest net migration losses for any year and origin were -6,301 in 1979-80 to British Columbia and -5,618 in 1980-81 to Alberta.

TABLE A1. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : 0 - 17 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	626	72	292	151	-438	402	-19	-1044	42
1977 - 1978	318	112	99	46	-761	456	150	-1057	-637
1978 - 1979	286	21	-89	13	-1669	196	-20	-1495	-2757
1979 - 1980	-195	47	-402	-209	4	-122	-108	-1146	-2131
1980 - 1981	-219	-205	-190	-103	497	-180	-123	-466	-989
1981 - 1982	-29	-52	-252	-86	1384	164	142	-881	390
1982 - 1983	71	-61	272	106	958	241	264	-441	1410
1983 - 1984	124	-58	-2	28	386	287	155	-183	737
1984 - 1985	184	34	11	-9	163	258	47	-397	291
1985 - 1986	296	-42	-142	-58	-14	324	-219	-241	-96

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE A2. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : 18 - 24 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	131	-150	-24	-100	354	-1	-227	-81	-98
1977 - 1978	7	-141	-191	-104	667	6	-110	-261	-127
1978 - 1979	-113	-120	-203	-54	-521	-160	-236	-743	-2150
1979 - 1980	-263	-116	-516	-269	127	-263	-278	-111	-1689
1980 - 1981	-219	-223	-425	-144	263	-218	-307	124	-1149
1981 - 1982	-55	-77	-203	-143	939	-4	-40	-361	56
1982 - 1983	148	-41	326	23	1239	83	119	-165	1732
1983 - 1984	74	-100	-99	-50	1144	15	-27	-15	942
1984 - 1985	-137	-112	-64	-60	1259	-121	-131	-23	611
1985 - 1986	-61	-116	-36	-220	1607	-162	-298	-127	587

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE A3. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : 25 - 44 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	733	92	281	157	-637	378	52	-836	220
1977 - 1978	413	94	-32	106	-946	471	96	-987	-785
1978 - 1979	441	17	-172	57	-2656	162	18	-1574	-3707
1979 - 1980	-78	27	-440	-173	-2438	-85	-176	-1108	-4471
1980 - 1981	-203	-165	-399	-127	-905	-177	-150	-456	-2582
1981 - 1982	109	-21	-145	-64	325	245	141	-559	31
1982 - 1983	288	35	391	42	848	287	217	-378	1730
1983 - 1984	249	38	53	48	-42	409	128	-230	653
1984 - 1985	383	74	12	-21	102	251	68	-339	530
1985 - 1986	389	41	-277	-114	-357	441	-174	-278	-329

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE A4. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : 45 - 64 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	94	63	40	-14	-291	179	-81	-192	-202
1977 - 1978	114	-8	9	23	-237	165	33	-287	-188
1978 - 1979	112	-34	27	-29	-515	99	-18	-301	-659
1979 - 1980	-14	13	-118	-53	-17	-62	-44	-242	-537
1980 - 1981	31	-16	-69	-15	147	71	-46	-173	-70
1981 - 1982	51	-20	4	-10	367	94	16	-216	286
1982 - 1983	34	55	57	-18	408	92	33	-164	497
1983 - 1984	100	-6	2	-14	149	100	23	-132	222
1984 - 1985	94	12	-17	42	-118	78	10	-82	19
1985 - 1986	63	1	-36	1	-86	119	21	-81	2

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE A5. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : 65 YEARS OF AGE OR MORE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	12	11	65	-14	16	-2	-10	-35	43
1977 - 1978	13	-18	16	-31	-13	32	-18	-52	-71
1978 - 1979	-35	-6	41	14	8	-2	-9	-91	-80
1979 - 1980	-36	-25	-44	-22	108	-52	-23	-42	-136
1980 - 1981	-27	-31	-4	-16	316	-38	-22	-31	147
1981 - 1982	-60	-21	29	-15	375	20	-14	-40	274
1982 - 1983	-29	10	67	-7	284	-13	-14	-47	251
1983 - 1984	-13	-38	-3	-50	211	-5	-19	-27	56
1984 - 1985	-2	-24	-35	9	165	-5	-37	-34	37
1985 - 1986	-30	-37	-34	4	84	7	-46	-25	-77

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
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TABLE A6. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND YEAR : ALL AGES

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1976 - 1977	1596	88	654	180	-996	956	-285	-2188	5
1977 - 1978	865	39	-99	40	-1290	1130	151	-2644	-1808
1978 - 1979	691	-122	-396	1	-5353	295	-265	-4204	-9353
1979 - 1980	-586	-54	-1520	-726	-2216	-584	-629	-2649	-8964
1980 - 1981	-637	-640	-1087	-405	318	-542	-648	-1002	-4643
1981 - 1982	16	-191	-567	-318	3390	519	245	-2057	1037
1982 - 1983	512	-2	1113	146	3737	690	619	-1195	5620
1983 - 1984	534	-164	-49	-38	1848	806	260	-587	2610
1984 - 1985	522	-16	-93	-39	1571	461	-43	-875	1488
1985 - 1986	657	-153	-525	-387	1234	729	-716	-752	87

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 81. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1979 - 1980

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	0	5	16	-3	51	4	-3	178	248
P. E. I.	-5	5	10	13	-39	1	0	-12	-27
NOVA SCOTIA	8	-2	-2	-29	105	0	2	-45	37
NEW BRUNSWICK	8	1	50	2	106	7	2	-18	158
QUEBEC	-19	7	5	9	323	11	1	19	356
ONTARIO	-19	59	1	-27	343	-28	18	-26	321
MANITOBA	76	-63	-207	-380	1741	-83	-75	-1009	0
SASKATCHEWAN	-85	-39	-243	30	-305	-30	-133	-494	-1299
ALBERTA	-476	-119	-910	-270	-4143	-307	-367	-758	-7350
BRITISH COLUMBIA	-239	-103	-509	-161	-4479	-209	-124	-477	-6301
YUKON	1	-1	8	-1	-9	-6	-6	-13	-27
N. W. T.	-7	1	10	13	8	7	-3	-9	20
OTHER	171	195	251	78	4082	49	59	15	4900
TOTAL	-586	-54	-1520	-726	-2216	-584	-629	-2649	-8964

TABLE 82. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1980 - 1981

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	-1	9	18	-5	13	4	4	186	228
P. E. I.	0	0	4	3	24	-3	-2	19	45
NOVA SCOTIA	-9	6	-7	8	54	-13	-5	30	64
NEW BRUNSWICK	-17	-1	-2	24	65	11	-5	15	90
QUEBEC	21	4	-8	1	96	-5	-5	3	107
ONTARIO	93	58	102	-48	744	0	51	210	1210
MANITOBA	-371	-429	-132	-19	1749	-152	-240	-406	0
SASKATCHEWAN	-49	-83	-228	-46	-158	-18	-115	-130	-827
ALBERTA	-352	-247	-778	-244	-3129	-250	-223	-395	-5618
BRITISH COLUMBIA	-191	-124	-282	-108	-3065	-198	-138	-557	-4663
YUKON	-3	-2	-4	0	-2	3	-3	-15	-26
N. W. T.	-2	0	2	-7	5	11	-8	-14	-13
OTHER	244	169	228	36	3922	68	41	52	4760
TOTAL	-637	-640	-1087	-405	318	-542	-648	-1002	-4643

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 83. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1981 - 1982

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	2	-4	26	1	78	2	4	-79	30
P. E. I.	4	-1	8	12	24	-4	0	-13	30
NOVA SCOTIA	3	-10	7	16	49	13	8	96	182
NEW BRUNSWICK	0	2	29	-16	52	0	-12	-14	41
QUEBEC	13	10	38	-16	199	2	6	29	281
ONTARIO	62	100	20	-3	593	17	11	-73	727
MANITOBA	-109	-41	-194	-242	1310	451	82	-1257	0
SASKATCHEWAN	-35	-56	-238	-11	49	-27	49	-247	-516
ALBERTA	-111	-252	-324	-91	-1551	7	-2	-374	-2678
BRITISH COLUMBIA	-38	-8	-110	-4	-262	3	59	-240	-600
YUKON	-2	-5	-13	1	-2	-4	10	-15	-30
N. W. T.	9	-1	-6	-2	-23	-10	-2	-57	-92
OTHER	218	75	190	37	2854	69	32	187	3662
TOTAL	16	-191	-567	-318	3390	519	245	-2057	1037

TABLE 84. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1982 - 1983

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	11	-6	-3	-4	-7	-2	-6	-130	-147
P. E. I.	-2	2	-1	-7	2	-3	7	-1	-3
NOVA SCOTIA	0	0	49	-11	-9	1	7	-21	16
NEW BRUNSWICK	16	3	36	-11	15	21	-7	-46	27
QUEBEC	3	5	40	36	371	14	14	-17	466
ONTARIO	71	24	89	5	230	-3	53	16	485
MANITOBA	112	-211	299	-80	93	392	125	-730	0
SASKATCHEWAN	-49	-41	27	18	-39	22	41	-115	-136
ALBERTA	121	87	390	42	687	134	255	-151	1565
BRITISH COLUMBIA	63	38	18	88	-78	76	65	-78	192
YUKON	-7	1	4	9	27	-1	8	-3	38
N. W. T.	8	-1	-3	-8	35	1	-1	10	41
OTHER	165	97	168	69	2410	38	58	71	3076
TOTAL	512	-2	1113	146	3737	690	619	-1195	5620

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 85. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1983 - 1984

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	-4	0	10	-5	51	9	-6	55	110
P. E. I.	-1	0	5	4	-11	6	0	11	14
NOVA SCOTIA	4	0	-14	-3	-53	-9	6	-11	-80
NEW BRUNSWICK	8	1	5	11	44	-1	5	-17	56
QUEBEC	-23	3	37	42	227	10	-2	-8	286
ONTARIO	-66	40	3	-77	-608	35	-21	-185	-879
MANITOBA	375	-357	-293	-100	183	609	164	-581	0
SASKATCHEWAN	2	35	-99	4	69	34	-9	194	230
ALBERTA	121	26	252	60	678	42	95	29	1303
BRITISH COLUMBIA	13	14	31	6	-695	6	12	-85	-698
YUKON	2	0	6	2	17	-1	-1	14	39
N. W. T.	-12	7	-10	-1	-4	-2	-5	-15	-42
OTHER	115	67	18	19	1950	68	22	12	2271
TOTAL	534	-164	-49	-38	1848	806	260	-587	2610

TABLE 86. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1984 - 1985

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	9	-4	10	-17	30	-1	7	116	150
P. E. I.	-3	0	0	-3	0	2	0	-3	-7
NOVA SCOTIA	-10	-1	15	-29	-4	-27	3	-15	-68
NEW BRUNSWICK	8	-2	5	-2	0	-5	-1	0	3
QUEBEC	5	6	36	8	19	8	-3	-3	76
ONTARIO	44	31	-7	-48	-1147	-46	-23	-99	-1315
MANITOBA	244	-160	-119	59	405	426	-95	-760	0
SASKATCHEWAN	80	-24	-43	-12	178	-38	11	-227	-75
ALBERTA	64	36	21	-7	811	109	41	26	1101
BRITISH COLUMBIA	10	-14	-58	-36	-409	5	-41	64	-479
YUKON	-2	0	-3	2	31	0	7	2	37
N. W. T.	-3	-3	-40	6	23	0	11	-12	-18
OTHER	96	119	90	40	1634	28	40	36	2083
TOTAL	522	-16	-93	-39	1571	461	-43	-875	1488

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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TABLE 87. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1985 - 1986

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	-6	1	30	11	41	-1	3	27	106
P. E. I.	-13	-1	2	-8	12	-3	0	1	-10
NOVA SCOTIA	-15	-3	-13	-5	98	6	-1	-32	35
NEW BRUNSWICK	1	-3	-17	14	83	4	2	-4	80
QUEBEC	-17	-2	16	28	-170	-8	-5	-18	-176
ONTARIO	26	44	-139	-30	-1244	0	-25	-468	-1836
MANITOBA	496	-318	-52	-348	272	548	-551	-47	0
SASKATCHEWAN	120	22	-52	10	512	71	-67	-79	537
ALBERTA	50	-1	-202	-94	92	77	-66	-136	-280
BRITISH COLUMBIA	-35	-27	0	21	-771	-20	-44	-13	-889
YUKON	5	1	3	10	5	-3	8	-18	11
N. W. T.	-1	0	2	-4	94	21	9	4	125
OTHER	46	134	-103	8	2210	37	21	31	2384
TOTAL	657	-153	-525	-387	1234	729	-716	-752	87

TABLE 88. ESTIMATED NET MIGRATION FOR MANITOBA BY ECONOMIC REGION AND ORIGIN : 1979 - 1980 TO 1985 - 1986

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	11	1	107	-22	257	15	3	353	725
P. E. I.	-20	5	28	14	12	-4	5	2	42
NOVA SCOTIA	-19	-10	35	-53	240	-29	20	2	186
NEW BRUNSWICK	24	1	106	22	365	37	-16	-84	455
QUEBEC	-17	33	164	108	1065	32	6	5	1396
ONTARIO	191	356	69	-228	-1089	-25	64	-625	-1287
MANITOBA	823	-1579	-698	-1110	5753	2191	-590	-4790	0
SASKATCHEWAN	-16	-186	-876	-7	306	14	-223	-1098	-2086
ALBERTA	-583	-470	-1551	-604	-6535	-188	-267	-1759	-11957
BRITISH COLUMBIA	-417	-224	-910	-194	-9759	-337	-211	-1386	-13438
YUKON	-6	-6	1	23	67	-12	23	-48	42
N. W. T.	-8	3	-45	-3	138	28	1	-93	21
OTHER	1055	856	842	287	19062	357	273	404	23136
TOTAL	1018	-1220	-2728	-1767	9882	2079	-912	-9117	-2765

NOTE : MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE : STATISTICS CANADA
MANITOBA BUREAU OF STATISTICS

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METHODOLOGY

The migration data developed from individual income tax records for the post 1981 period are estimates of migration flows between census divisions (as defined for the 1981 Census) by major age groups (0-17, 18-24, 25-44, 45-64 and 65+).

The development of the data involves four main steps:

(1) Geocoding of tax records

(2) Identification of migrant taxfilers

(3) Estimation of demographic characteristics (age group) of the dependents of the taxfilers

(4) Adjustment for the population not covered by the Revenue Canada Taxation System

STEP 1 - GEOCODING

The geographic coding of the tax records to census divisions is done on the basis of the postal code that forms part of the mailing address. For 1981-82 nearly 98% of the records had or were assigned a postal code that is used to code census division. In the remaining cases, the Revenue Canada locality code based on place name was used to code census division.

STEP 2 - MIGRANT TAXFILERS

The main source file being used contains the basic demographic and geographic information on each taxfiler and covers 65-70% of the total population aged 18 and over. The migrant taxfilers are identified by comparing current and previous census division of residence as coded from in most cases, the postal code. Some editing of the migrant file was done to exclude persons using third party (e.g., accountant) mailing addresses.

STEP 3 - ESTIMATION OF DEPENDENTS

Since the source file has no direct information on the number and characteristics of dependents, this information must be imputed. The procedure that was developed makes use of the relationship between the dollar value of the total personal exemptions claimed and the number of dependents. A lookup table was established relating an estimate of the average number of dependents by age group to filers in a given age-sex-marital status-total personal exemption class.

The lookup table was developed using a sample file of taxfilers containing information on the exact number of dependents and their relationship to the filer in addition to the characteristics of the filer. Other demographic information such as the average age difference between spouses was also used to distribute dependents by age.

This third step results in an estimate of the migration of taxfilers and their dependents. This covers approximately 90% of the total population.

STEP 4 - COVERAGE CORRECTION

The final step in the estimation process is an adjustment for coverage. For 1981-82, this was done by comparing the 1981 census counts to the corresponding counts of taxfilers and dependents. For the years following 1981-82, these census divisions coverage ratios (census/tax) were updated by comparing the population estimates with the counts of taxfilers and dependents at the province level. These coverage ratios (census/tax), specific for census division and age group were then applied to the outmigrants derived in STEP 3 to obtain an estimate of total migration. The basic assumption is that the rate of movement for the non-covered population is the same as for the equivalent age group of filers and dependents. In a few cases where coverage was abnormally high or low, special adjustments were necessary. The estimates of international migration were prorated to agree with provincial estimates produced by the Demography Division of Statistics Canada.

AVAILABILITY OF DATA

For the 1976-81 period, migration flows between census divisions were calculated only once, using final tax data. No adjustments were done at the international level although evaluations indicated the estimates of international migration were too low. The migration estimates are considered experimental.

For the years 1981-82 and onward, migration estimates from tax records are produced twice a year, the first time using a preliminary tax file from Revenue Canada (available with a 6-9 month time delay) and the second with a more complete tax file (available with a 12-15 month time delay). To date, the differences between the two sets of estimates have not in general been large, and investigations are ongoing to determine if it is worthwhile to continue to produce two sets of estimates.

For both sets of estimates, the data on immigration and emigration have been prorated to make them consistent with the most currently available estimates produced at the provincial level by Demography Division of Statistics Canada.

The differences in the timeliness of the components of the tax estimates (i.e., the tax derived data and the independent estimates of international migration) result in a number of different series being available. Although only one series (the final one) will be published and therefore considered official, the other more timely series will be made available in unpublished form. There are three series that will be available.

1. Preliminary Estimates (6-9 Month Time Lag)

   These estimates are based on the preliminary tax file and the international component if prorated to the preliminary estimates of international migration produced by Demography Division.

2. Revised Estimates (12-15 Month Time Lag)

   These estimates are based on the final tax file and the international component is again prorated to the independently produced preliminary estimates of international migration.

3. Final Estimates (18-24 Month Time Lag)

   These estimates are based on the final tax file and the international component is prorated to the final estimates of international migration that are independently produced by Demography Division. Note that the only difference between the revised and final estimates is in the international component. The estimates of internal migration are identical.